

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claims 1-8 (canceled).

Claim 9 (new): A PIFA antenna arrangement for at least two mobile radio frequency bands having a desired separation from one another comprising:

at least two antenna branches, which run alongside to one another and have a gap therebetween, wherein the branches are in the form of strips and are connected to one another at a foot point to form a series connection, and wherein the antenna branches have straight sections that produce capacitive coupling between the antenna branches;

a ground connection, arranged at a free end of one of the antenna branches;

an RF supply connection is arranged at the outer edge of the antenna branch where the ground connection is provided; and

wherein the widths of the antenna branches, the lengths of the antenna branches, and the gap between the antenna branches are of such a size that the PIFA antenna structure has two resonant frequency bands that conform to the desired separation.

Claim 10 (new): The PIFA antenna arrangement as claimed in claim 9, wherein the width of one antenna branch is less than $1/15$ of the wavelength of a higher-frequency frequency band.

Claim 11 (new): The PIFA antenna arrangement as claimed in claim 10, wherein the width of one antenna branch is less than $1/20$ of the wavelength of the higher-frequency frequency band.

Claim 12 (new): The PIFA antenna arrangement as claimed in claim 9 wherein the distance between the ground connection and the RF supply connection is matched to a resonant frequency.

Claim 13 (new): The PIFA antenna arrangement as claimed in claim 9, wherein the area ratio of the at least two antenna branches corresponds to a ratio between two resonant frequencies.

Claim 14 (new): The PIFA antenna arrangement as claimed in claim 9 further comprising:

two further antenna branches which run alongside one another, wherein the two further antennas are in the form of strips and are connected to one another at a second foot point in order to connect the two further antenna branches in series with one another, the further antenna branches having a predetermined distance from one another over one section in order to form a gap, and wherein the further antenna branches have straight sections that produce capacitive coupling between the antenna branches.

Claim 15 (new): The PIFA antenna arrangement as claimed in claim 14, further comprising:

a ground connection between the antenna branches and the further antenna branches;

a further supply connection located at an outer edge of the antenna branches and the further antenna branches of the PIFA antenna structure, at which the ground connection is provided, and wherein the widths of the further antenna branches, the lengths of the further antenna branches and the gap between the further antenna branches are of such a size that the PIFA antenna structure produces two further resonant frequency bands with the desired separation from one another.

Claim 16 (new): The PIFA antenna arrangement as claimed in claim 15, wherein the RF supply connection and the further RF supply connection are arranged on opposite sides of the ground connection, and are joined together to form a common RF supply line.

Claim 17 (new): The PIFA antenna arrangement as claimed in claim 14, wherein the arrangement has a substantially rectangular outer edge.